



K21P 0421

Reg. No. :

Name :

**IV Semester M.C.A./M.C.A.(Lateral Entry) Degree (CBSS – Reg./Supple.
(Including Mercy Chance)/Imp.) Examination, May 2021
(2014 Admission Onwards)**

MCA4C19: ADVANCED JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **any ten** questions. **Each** question carries **three** marks. **(10×3=30)**

1. What are common tasks performed by Servlets Container ?
2. List the differences between ServletConfig and ServletContext.
3. What are the significant features of the init method ?
4. Mention the key roles of Remote Interface in RMI.
5. List out the binding in RMI.
6. List out the steps involved to make work a RMI program.
7. Mention the purpose of using RMI Security Manager in RMI .
8. What are the uses of directory service ?
9. Mention the uses of singleton session bean.
10. List out the directives available in JSP.
11. What are the disable a session on a particular JSP page ?
12. List out the uses of implicit objects.

P.T.O.



SECTION – B

Answer **all** questions. **Each** question carries **ten** marks. (5×10=50)

13. a) i) List and explain any six methods of HttpServlet Request class 5
 ii) Write a Servlet program to check whether the session is new or old. 5

OR

- b) Explain Servlet life cycle methods with example. 10

14. a) i) Briefly explain CORBA object creation with suitable examples. 5
 ii) What is the use of Java.rmi.remote Interface in RMI ? 5

OR

- b) Write a program to implement an examination control system using RMI in which the Server has all the student information and the student objects can be accessed from any client. 10

15. a) What is JNDI ? List and explain some of the resource that can be looked up using JNDI. 10

OR

- b) What are the attributes ? Explain attribute interfaces in JNDI. 10

16. a) What is a Java bean ? What are the key concepts of Java bean ? List out the advantages of Java bean. 10

OR

- b) Briefly explain implementations of session beans in EJB. 10

17. a) i) What are the need, benefits and advantages of JSP ? 5
 ii) Write a JSP program to include an applet along with necessary applet code. 5

OR

- b) Write a JSP program to which uses <jsp: forward>and <jsp: include>action tags. 10